

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave.St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-012137**Date Inspected:** 13-Feb-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 1900**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 700**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

CWI Name:	NA	CWI Present:	Yes	No			
Inspected CWI report:	Yes	No	N/A	Rod Oven in Use:	Yes	No	N/A
Electrode to specification:	Yes	No	N/A	Weld Procedures Followed:	Yes	No	N/A
Qualified Welders:	Yes	No	N/A	Verified Joint Fit-up:	Yes	No	N/A
Approved Drawings:	Yes	No	N/A	Approved WPS:	Yes	No	N/A
				Delayed / Cancelled:	Yes	No	N/A
Bridge No:	34-0006	Component:	OBG and Tower				

Summary of Items Observed:

On this date CALTRANS OSM Quality Assurance (QA) Inspector, Mr. Paul Dawson, arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island, in Shanghai, China, for the purpose of monitoring welding and fabrication of the San Francisco / Oakland Bay Bridge (SFOBB) components. This QA Inspector observed the following:

OBG Bays 1 through 9

This QA Inspector observed no ZPMC personnel were working on Caltrans OBG segments or tower assemblies in OBG Bays 1 through 9.

OBG Bays 13 and 14

This QA Inspector observed no ZPMC personnel were working on Caltrans OBG segments or tower assemblies in OBG Bays 13 or 14 and the overhead lights were turned off.

Tower Bays 10 and 11

This QA Inspector observed no ZPMC personnel were working on Caltrans tower components in Bays 10 or 11. This QA Inspector along with QA Inspector Mr. Mike Hasler prepared to perform random magnetic particle inspections of various North tower lift 4 welds in tower Bay 10. This QA Inspector determined two of the 220

WELDING INSPECTION REPORT

(Continued Page 2 of 3)

volt electric power supply panels appear to be de-energized and one electric power supply panel appears to have power. This QA Inspector connected a yoke to one of the electrical plugs and the yoke appeared to function normally. This QA Inspector then connected an extension cord to this same plug and the plug made a loud “pop” noise and the power supply appeared to shut itself off. This extension cord was tagged as “Out of service”. Later in the shift this QA Inspector assisted QA Inspector Mr. George Goulet in locating an energized electric power supply panel in Tower Bay 11 and Mr. Goulet proceeded to perform random magnetic particle inspections of North tower lift 5 skin plate tack welds. See the photograph, below, for additional information.

Heavy Dock Tower

This QA Inspector observed no ZPMC personnel were working on Caltrans tower assemblies at the heavy dock.

OBG Trial Assembly

This QA Inspector observed no ZPMC personnel were working on Caltrans OBG segments in or around the OBG trial assembly area. This QA Inspector along with QA Inspector Mr. Mike Hasler connected two 220 volt electrical extension cords, end to end, in preparation for performing magnetic particle inspections of weld OBE6A-003 as listed on ABF “Verification Witness Request” number 02122010-1, which indicates that ABF inspection personnel have completed magnetic particle inspections of this weld on 2-13-2010. The electric power supply and extension cords did not adequately provide power to the magnetic particle yoke and due to commencement of rain this magnetic particle inspection was not completed. See the photograph, below, for additional information.

ZPMC workers are not at work due to the Chinese New Year holiday.



Summary of Conversations:

See Above.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang phone: 150-0042-2372 , who represents the Office of Structural Materials for your project.

WELDING INSPECTION REPORT

(Continued Page 3 of 3)

Inspected By:	Dawson,Paul	Quality Assurance Inspector
Reviewed By:	Carreon,Albert	QA Reviewer
